

FIGURE 1

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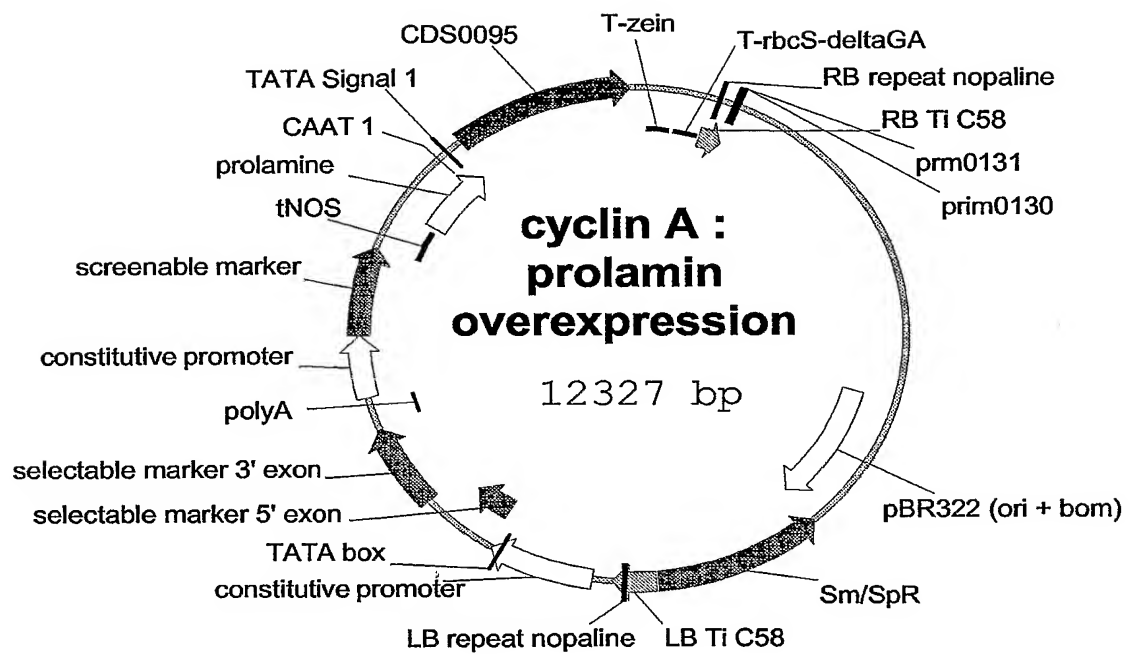


FIGURE 2

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Gene name	Plant accession	Motif 1	Motif 2
Cyclin A2;1	Arabidopsis At5g25380	WLVEVSEEEYKLVSDT	ELTLTEYTFRLFLPS
Cyclin A2;2	Arabidopsis At5g11300	WLVEVSDDYKLV PDT	ELTLVEYSFLRFLPS
Cyclin A2;3	Arabidopsis At1g15570	WLVEVSEEEYTLASDT	ELTLIDYHFLKFLPS
Cyclin A2;4	Arabidopsis At5g43080	WLVEVSEEEYTLV PDT	ELTLM DYPFLKFLPS
Cyclin A2 type	Rice AK106653	WLVEVSEEEYKLV PDT	ELTLIDYSFLKFLPS
Cyclin A2 type	Medicago AAK81695	WLVEVSEGYKLQANT	ELTLMNYGFLNFLPS
Cyclin A2 type	Nicotiana BAA09367	WLVEVSEEEYRLV PDT	ELTLVDYGFLKFLPS
Cyclin A1;1	Arabidopsis At1g44110	WLIEVSEEEYRLVPET	ELSLLEYTMLSHSPS
Cyclin A1;2	Arabidopsis At1g77390	WLVEVAEEYRLSPET	ELSLLDYAMLRYAPS
Cyclin A3;1	Arabidopsis at5g43080	WLVEVAEEYKLLSDT	ELSMLDYQSVKFLPS
Cyclin A1.1 type	Rice BAA86628	WLVEVAEEYRLV PDT	ELSLLEYNLLSYPPS
Cyclin B1;1	Arabidopsis At4g37490	WLIDVHVRFELNPET	ELGVMHYDTMIMFSPS

FIGURE 3

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SEQUENCE LISTING

SEQ ID NO 01: DNA sequence of Cyclin A2;2 (A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 (boxed) and a T instead of C on position 1295 (boxed))

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atgtattgctcttcttcgatgcatccaaatgcaaacaaagaaaatatctctacttcagatgt
acaggagagttttgtacgaataacgagatcacgagctaaaaaagccatgggaagaggagtat
caatacctccaacaaaaccttcttttaaacagcaaaagagacgtgcagtacttaaggatgtg
agtaatacctctgcagatattattttattcagaacttcgaaagggagggaacatcaaggcaaa
cagaaaatgtctaaaagagcctaaaaaagcagcaaaaggaaggtgctaacagtgccatggata
ttctggtagatatgcatacagaaaaatcaaaattagcagaagatttgtccaagatcaggatg
gctgaagcccaagatgtctctctttcaaacttttaagatgaagaaattactgagcaacaaga
agatggatcaggtgtcatggagttacttcaagttgtagatattgattccaacgtcgaagatc
cacagtgttgacgcttgtatgctgctgatatatatgacaacatacatgttgcagagcttcaa
caacgacccttggttaattatatggagcttgtgcagcgagatatcgaccagacatgagaaa
gattctgattgactggctttagaagtttctgacgactacaagctggttccagatacgcttt
accttacagtgaatcttatcgaccggtttctgtccaacagttacattgaaaggcaagactc
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ggtggaggagttttgcttcattacggccaacacatacacaagac[boxed]agaagtgtgagcatgg
agattcaaattctaaattttgtgcacttttagattatcggttcctaccacaaaacattttctg
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agcaaaactatctcgccgaattgacactggtggaatatagtttcctaaggttcctgccatcac
taattgctgcttcagctgttttcttagcccgatggacactcgaccaaactgaccatccttgg
aaccctactctgcaacactacaccagatatgaggtagctgagctgaagaacacagttctcgc
catggaggacttgcagctcaacaccagtggtgtactctcgctgccaccctgagaaataca
accaaccaaagtttaagagcgtggcaaagctgacatctcccaaacgagtcacat[boxed]actattc
tcaagatga
```

SEQ ID NO 02: protein sequence of Cyclin A2;2 (A variant of the sequence deposited under accession number NP_568248 contains an arginine instead of a proline on position 284 (boxed) and a phenylalanine instead of a serine on position 432 (boxed))

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MYCSSSMHPNANKENISTSDVQESFVRITRSRAKKAMGRGVSIPPTKPSFKQQKRRAVLKDV
SNTSADI IYSELRKGGNIKANRKCLKEPKKAAKEGANSAMDILVDMHTEKSKLAEDLSKIRM
AEAQDVSLSNFKDEEITEQQEDGSGVMELLQVVDIDSNVEDPQCCSLYAADIYDNIHVAELQ
QRPLANYMELVQRDIDPDMRKILIDWLVEVSDDYKLVPDTLYLTVNLIDRFLSNSYIERQRL
QLLGVSCLMIASKYEELSAPGVEEFCFITANTYTR[boxed]EVLSMEIQILNFVHFRLSVPTTKTFL
RRFIKAAQASYKVPFIELEYLANYLAEITLVEYSFLRFLPSLIAASAVFLARWTLQDTHPW
NPTLQHYTRYEVAELKNTVLAMEDLQLNTSGCTLAATREKYNQPKFKSVAKLTSPKRVT[boxed]SLF
SR
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FIGURE 4

5/5**SEQ ID NO 03:** DNA sequence of the prolamin promoter

cttctacatcggccttaggtgtagcaacacgactttattattattattattattattattatt
atthttacaaaaatataaaatagatcagtcctccaccacaagtagagcaagttggtgagttat
tgtaaagttctacaaagctaattttaaaagttattgcattaacttattttcatattacaaacaa
gagtgtcaatggaacaatgaaaaccatatgacatactataattttgTTTTTattattgaaat
tatataattcaaagagaataaaatccacatagccgtaaagttctacatgtggtgcattaccaa
aatatatatagcttacaaaacatgacaagcttagtttgaaaaattgcaatccttatcacatt
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atagccacaaagttactttgatgatgatatacaagaacatttttaggtgcacctaacagaat
atccaaataatatgactcacttagatcataatagagcatcaagtaaaactaacactctaaag
caaccgatgggaaagcatctataaatagacaagcacaatgaaaatcctcatcatccttcacc
acaattcaaataattatagttgaagcatagtagta

SEQ ID NO 04: primer sequence (primer PRM582)

ggggacaagtttgtacaaaaaagcaggcttcacaatgtattgctcttcttcgatgc

SEQ ID NO 05: primer sequence (primer PRM583)

ggggaccactttgtacaagaaagctgggtgcttggtgtcatcttgagaatag

FIGURE 4 (continued)